ABSTRAK

MUHAMAD PANDI. The development of Fuzzy Query module on Fuzzy Database Management System. Under the direction of PANJI WASMANA and SRI NURDIATI.

The data and information use are increased with case of those technology is IT (Information Technology), needed to handling fast data and user management. One of the alternative solution to handle those issue is database system. Data can be represented into two types, which are crisp and fuzzy. Data or information with fuzzy data can have more than one purpose and unsolved with logical processing. Until now, data management are still in crisp type, and also doesnot support fuzzy data representation, therefore the research conduct to built system to get data by fuzzy query at RDBMS.

The application development consists of the following steps: planning, analyzing, designing, implementation, and testing. Hypotetics data are used to test the system. The hypotetics data are cellphone features, where it can be represented into fuzzy set. Two main functions in this research are determining limit of fuzzy sets that can be done by input the parameters, and query structure in fuzzy according to syntax that have been defined. To process fuzzy query, first we transformed fuzzy query into SQL form.

The result of this research is to define limits, graphic of membership function, and also data that proceded from fuzzy query process, fuzzy attribute and degree that descend arranged.

Keyword: fuzzy database, query fuzzy